2X PCR Taq Plus MasterMix

Store at -20°C

Cat. No.	Description	Quantity
G901	2X PCR Taq Plus MasterMix (Part No. G014)	25 x 1 ml
G901-dye	2X PCR Taq Plus MasterMix with dye (Part No. G014-dye)	25 x 1 ml

for amplification of A. The 2 PCR Taq Plus MasterMi with dye contains an inert blue dye and a stabilizer which allow direct loading of the final products onto a

To set up a PCR reaction: add A template, primers and water. PCR products, amplified up to b in length with Taq Plus A Polymerase, contain a mi ture of blunt ends and single base (A) 3 overhang. The error rate of this PCR amplification is .5 10
cycle. The products can be used for direct T A cloning, but its efficiency is not as high as PCR products amplified with Taq polymerase alone.

1. Add the following components to a sterile 0.2 ml PCR tube sitting on ice.

Components	Volume	Final Concentration
Template DNA	~100 ng	~2 ng/µl
Forward primer (10 µM)	1 - 2.5 µl	200 - 500 nM
Reverse primer (10 µM)	1 - 2.5 µl	200 - 500 nM
2X PCR Taq Plus MasterMix/ with dye	25 µl	1X
Nuclease-free H_2O	up to 50 µl	-

- *We recommend preparing a mastermix for multiple reactions to minimize reagent loss and enable accurate pipetting.*

2. Mix contents of tube and centrifuge briefly.
3. Incubate tube in a thermal cycler at 94°C for 3 mins to completely denature the tem-plate.
4. Perform 30 - 35 cycles of PCR amplification as follows:

   Denature: 94°C for 30 sec

   Anneal: 45 - 72°C for 30 sec

   Extend: 72°C for 1 min/1 kb template

5. Incubate for an additional 5 mins at 72°C and maintain the reaction at 4°C. The samples can be stored at -20°C until use.
6. Analyze the amplification products by agarose gel electrophoresis and visualize by ethidium bromide or SafeView™ (Cat No. G108) staining. If 2X PCR Taq Plus Mastermix with dye is used, load the samples directly without adding additional loading dye. Use appropriate molecular weight standards.

All **crb** PCR, RT-PCR, and qPCR products are ISO 13485:2003 and13485:2012 certified as diagnostic grade and in compliance with all regulatory requirements for the design and manufacture of medical devices, as outlined by the International Organization for Standardization (ISO). For technical questions, please email us at support@coderegenesis.com or visit our website at www.coderegenesis.com.